Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/25/2021 09:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124171	-1	2.55	124037	2.56
Blue	F	SSC	125000	124220	-1	4.51	124497	4.41
Blue	E	FITC	14400	13989	-3	3.07	322	15.02
Blue	D	PE	24713	24458	-2	2.58	559	10.91
Blue	B	PerCP-Cy5-5	31796	31352	-2	3.76	1038	14.60
Blue	A	PE-Cy7	21240	21075	-1	5.74	564	28.76
Red	C	APC	41319	40625	-2	3.28	1698	11.08
Red	A	APC-Cy7	21019	20361	-4	3.61	763	11.40
Violet	B	V450	7305	7061	-4	3.92	437	12.74
Violet	A	V500	28652	27505	-5	3.50	692	10.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23106	2.57	562	-7	N/A	N/A	Pass
Blue	F	SSC	57815	2.97	516	4	N/A	N/A	Pass
Blue	E	FITC	59	52.95	489	-2	0.0475	103	Pass
Blue	D	PE	117	35.73	487	0	0.3789	241	Pass
Blue	B	PerCP-Cy5-5	193	35.97	584	0	0.0203	83	Pass
Blue	A	PE-Cy7	113	64.86	630	0	0.0224	0	Pass
Red	C	APC	395	23.36	573	0	0.0311	238	Pass
Red	A	APC-Cy7	171	26.96	543	-2	0.0068	1195	Pass
Violet	B	V450	61	62.82	455	-1	0.0557	2131	Pass
Violet	A	V500	99	35.89	468	-2	0.0237	900	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.87	-31.60	1.04
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	21.21	15.99 - 23.99	N/A	N/A	29.95	30.20	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 12630

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments